

# Alternative Fuels

Clean Cities of Middle Tennessee

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# Alternative Fuels and Tennessee



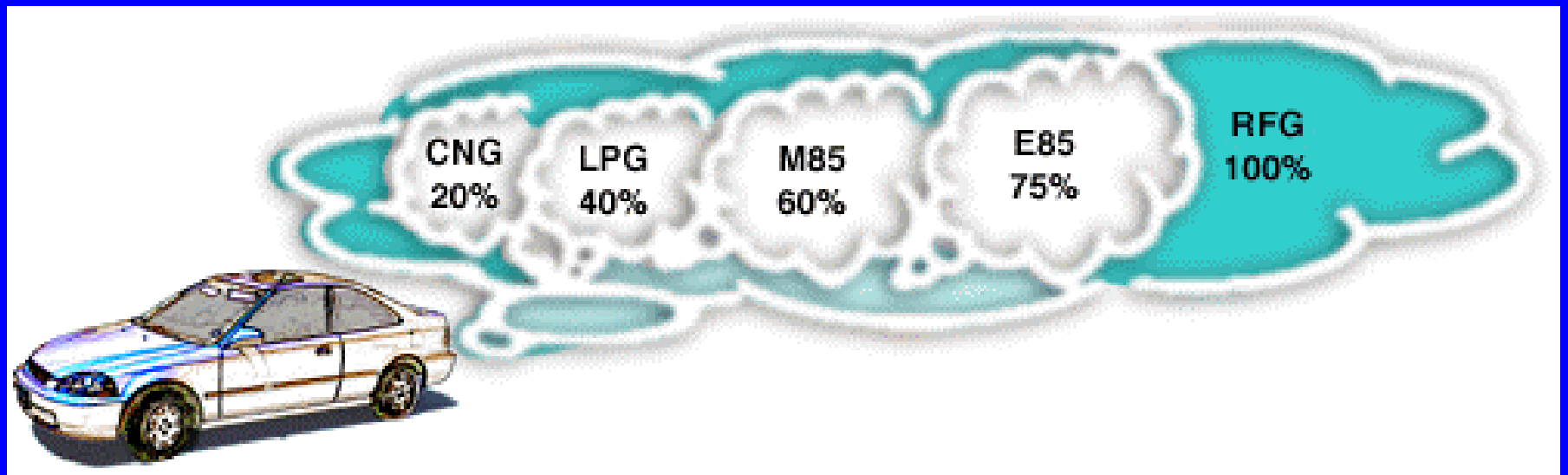
# The Driving Force behind Transportation Emissions

- According to the Federal Highway Administration, the Nashville metro area has **the highest rate** of driving per capita in the entire country.
  - In middle Tennessee the average commuter drives 37.6 miles/day.
  - 2020, projected increase to 45 miles/day
- The average Knoxville driver travels 35.6 miles/day - also one of the highest in the U.S. (L.A.'s rate: 22.7 miles/day).
- Growth is not closely monitored (Knoxville is the 8th worst city in the nation for sprawl).

# Transportation Solutions

- Devote transportation funds to cleaner transportation alternatives.
- Provide incentives to purchase cleaner and/or alternative fuel vehicles and to retrofit existing vehicles.
- Alternative Fuels that make sense for our region include:
  - E85 (ethanol)
  - Biodiesel
  - CNG (compressed natural gas)
  - Propane
  - Electricity

# Reducing Emissions



- Combined carbon monoxide (CO) and nitrogen oxide (NOx) as compared to reformulated gasoline (RFG).

# Something for Everyone





# ***Resources***

- Clean Cities Web Site [www.ccities.doe.gov](http://www.ccities.doe.gov)
- Alternative Fuels Data Center
  - [http://www.afdc.nrel.gov/fleet\\_provider.html](http://www.afdc.nrel.gov/fleet_provider.html)
  - Epa Credits and Reporting
- Alternative Fuel Vehicle Fleet Buyer's Guide
  - [www.fleets.doe.gov](http://www.fleets.doe.gov)
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